Contents Volume 82 (1991)

Ahrens, R. → Akimenko, A.I. 5
Akimenko, A.I., Goll, G., Yanson, I.K., Löhneysen, H. v., Ahrens, R., Wolf., T., Wühl, H.: Transition to gapless superconductivity in $YBa_2(Cu_{1-x}Zn_x)_3O_7$ 5
Albano, E.V. → Monetti, R.A. 129
Altland, A.: Conductance and conductance fluctuations of mesoscopic systems with different symmetries: a statistical scattering theory approach 105
Andres, K. → Groß-Alltag, F. 243
Baldzuhn, J., Martienssen, W.: Are there *spontaneous objectifications* of the wave-particle properties of a single photon? 309
Baumann, F. → Loistl, M. 199
Bausch, R., Dohm, V., Janssen, H.K., Zia, R.K.P.: Effects of bulk diffusion on interfacial dynamics 121
Bednorz, J.G. → Lichtenberg, F. 211
Behler, S., Winzer, K.: De Haas-van Alphen effect in rare-earth hexaborides (RE=Pr, Nd, Gd) 355
Besnus, M.J. → Bonville, P. 267
Bestehorn, M., Haken, H.: Associative memory of a dynamical system: the example of the convection instability 305
Bhattacharjee, S.M.: Exact matrix representation of the RVB wavefunction 323
Binder, K. → Yaldram, K. 405
Bolterauer, H., Opper, M.: The quantum lifetime of the Davydov soliton 95
Bonnet, M. → Hock, R. 283
Bonville, P., Hammann, J., Hodges, J.A., Imbert, P., Jéhanno, G., Besnus, M.J., Meyer, A.: Hybridisation and crystal field in $YbPd_2Si_2$ 267
Brandt, U., Mielsch, C.: Free energy of the Falicov-Kimball model in large dimensions 37
Ceccatto, A., Doniach, S., Frahm, K., Mühlschlegel, B.: The nature of the flux lattice in granular superconducting networks 257
Chandrasekhar, B.S. → Groß-Alltag, F. 243
Chattopadhyay, T. → Köbler, U. 383
Chvosta, P., Zeile, K., Sigmund, E.: Solution of the Generalized Master Equation for an externally driven and environmentally damped two-level system 143
Clausen, K.N. → Elsenhans, O. 61
Dietsche, W. → Klaß, U. 351
Dohm, V. → Bausch, R. 121
Dong, J. → Wu, Z. 15
Doniach, S. → Ceccatto, A. 257
Dottl, L. → LaGraffe, D. 47
Dowben, P.A. → LaGraffe, D. 47
Eckern, U.: Coherence and destruction of coherence in mesoscopic rings 393
Einzel, D. → Groß-Alltag, F. 243
Elsenhans, O., Fischer, P., Furrer, A., Clausen, K.N., Purwins, H.G., Hulliger, F.: Incommensurate and commensurate magnetic long-range order in metallic $REPd_3$ compounds of rare earths (RE=Nd, Tb, Dy, Er, Tm, Yb) 61
Fang, Z. → Wu, Z. 15
Fedchenia, I.I.: Adiabatic elimination based on functional differentiation in the nonlinear and spatially distributed cases 441
Fernández, F. → Fernández-Díaz, M.T. 275
Fernández-Díaz, M.T., Rodríguez-Carvajal, J., Martínez, J.L., Fillion, G., Fernández, F., Saez-Puche, R.: Structural and magnetic phase transitions in Pr_2NiO_4 275
Fillion, G. → Fernández-Díaz, M.T. 275
Fischer, P. → Elsenhans, O. 61
Flach, S.: Long-time correlations in a model of structural phase transitions with infinite range interaction 419
Förster, D.: Decoupling of holes in the tJ model at $J=2t$ from *spl* (2, 1) symmetry 329
Frahm, K. → Ceccatto, A. 257
Frick, M., Morgenstern, I., Linden, W. von der: High-temperature superconductivity in the apex-oxygen model: a quantum Monte Carlo study 339
Fu, Z. → Wu, Z. 15
Fuess, H. → Hock, R. 283
Furrer, A. → Elsenhans, O. 61
Gloos, K., Smeibidl, P., Pobell, F.: Nuclear spin-electron coupling of copper at microkelvin temperatures 227
Goll, G. → Akimenko, A.I. 5
Gouvêa, M.E. → Menezes, S.L. 375
Graham, R., Höhnerbach, M., Shepelyansky, D.L.: Localization and level statistics in a one-dimensional solid state model with periodically modulated potential 347
Groß-Alltag, F., Chandrasekhar, B.S., Einzel, D., Hirschfeld, P.J., Andres, K.: London field penetration in heavy fermion superconductors 243
Güntherodt, G. → Koltun, R. 53
Haken, H.: *A remark on the paper* Comment on Schöner-Haken systematic adiabatic approximation for stochastic differential equations by D.-J. Wu and L. Cao 465
Haken, H. → Bestehorn, M. 305
Hammann, J. → Bonville, P. 267
Hayn, R., John, W.: The universality of phase resonances for disordered systems in a strong magnetic field 23
Hewat, A.W. → Ihringer, J. 171
Hirschfeld, P.J. → Groß-Alltag, F. 243
Hock, R., Fuess, H., Vogt, Th., Bonnet, M.: Low temperature magnetic structure of erbium iron garnet 283
Hodges, J.A. → Bonville, P. 267
Hoffmann, M. → Koltun, R. 53
Höhnerbach, M. → Graham, R. 347
Hulliger, F. → Elsenhans, O. 61
Hulliger, F. → Schilling, A. 9
Ihle, D., Kasner, M., Plakida, N.M.: Electrical resistivity in the strong-correlation limit of the Emery model 193
Ihringer, J., Maichle, J.K., Prandl, W., Hewat, A.W., Wroblewski, Th.: Crystal structure of the ceramic superconductor $BaPb_{0.75}Bi_{0.25}O_3$ 171
Imbert, P. → Bonville, P. 267
Irkhin, V.Yu., Katsnelson, M.I.: Kondo effect, spin dynamics and magnetism in anomalous rare earth and actinide compounds. II. The problem of the ground state 77
Jansen, A.G.M. → Naidyuk, Yu.G. 221
Janssen, H.K. → Bausch, R. 121
Janßen, M. → Pook, W. 295
Jarchow, Ch. → Koltun, R. 53
Jaroslawski, R., Koschany, A., Obermair, G.M.: Transformation properties of the Lyapunov exponent of dynamical systems under diffeomorphisms 437
Jayannavar, A.M.: Brownian motion of spins; generalized spin Langevin equation 153
Jéhanno, G. → Bonville, P. 267
John, W. → Hayn, R. 23
Kamps, M. → Niederländer, J. 135
Kasner, M. → Ihle, D. 193
Katsnelson, M.I. → Irkhin, V.Yu. 77
Klaß, U., Dietsche, W., Klitzing, K. von, Ploog, K.: Imaging of the dissipation in quantum-Hall-effect experiments 351
Klitzing, K. von → Klaß, U. 351
Köbler, U., Chattopadhyay, T.: On the magnetic anisotropy of CuO 383
Koltun, R., Hoffmann, M., Splittgerber-Hünnekes, P.C., Jarchow, Ch., Güntherodt, G., Moshchalkov, V.V., Leonyuk, L.I.: Energy gaps and phonon structures in tunneling spectra of $Bi_2Sr_2Ca_1Cu_2O_{8+x}$ and $Bi_2Sr_2Ca_2Cu_3O_{10+y}$ superconductors 53
Koschany, A. → Jaroslawski, R. 437
Kravtsov, V.E.: Ginzburg-Landau functional in the vicinity of the mobility edge 205
Kumar, P. → Ziegler, K. 335
Kumm, G. → Winzer, K. 317
Kwetkus, B.A., Sattler, K.: Contact charging of oxidized metal powders 87
LaGraffe, D., Dowben, P.A., Dottl, L., Ufuktepe, Y., Onellion, M.: Many body satellite in the photoemission spectra of the heavy rare earths 47
Lenz, G. → Życzkowski, K. 299
Leonyuk, L.I. → Koltun, R. 53
Leyarovski, E. → Mrachkov, J. 233
Li, F. → Wu, Z. 15
Li, T., Sun, Y.S., Wölfle, P.: Dynamic response functions of Hubbard model in Gutzwiller approximation 369
Lichtenberg, F., Widmer, D., Bednorz, J.G., Williams, T., Reller, A.: Phase diagram of $LaTiO_x$: from 2D layered ferroelectric insulator to 3D weak ferromagnetic semiconductor 211
Linden, W. von der → Frick, M. 339
Löhneysen, H. v. → Akimenko, A.I. 5
Loistl, M., Baumann, F.: Refractive index and mass density of quench condensed argon-xenon films 199
Lovtsov, S.V., Plakida, N.M., Yushankhai, V.Yu.: On superconducting pairing in the two-band Hubbard model 1
Lu, K. → Wu, Z. 15
Lücke, M. → Niederländer, J. 135
Maichle, J.K. → Ihringer, J. 171
Martienssen, W. → Baldzuhn, J. 309

Mártin, H.O. → Mirasso, C.R. 433
Martínez, J.L. → Fernández-Díaz, M.T. 275
Menezes, S.L., Gouvêa, M.E., Pires, A.S.T.: Calculation of the out-of-plane dynamical correlation for two-dimensional magnetic systems 375
Menge, B., Müller-Hartmann, E.: The Hubbard model at high dimensions: self-consistent weak coupling theory 237
Metzner, W.: Analytic evaluation of resonating valence bond states 183
Meyer, A. → Bonville, P. 267
Mielsch, C. → Brandt, U. 37
Mirasso, C.R., Mártin, H.O.: The lattice covering time problem for sites visited k-times 433
Monetti, R.A., Albano, E.V.: Critical behavior of the site percolation model on the square lattice in a $L \times M$ geometry. Monte Carlo and finite-size scaling study 129
Monnier, R. → Schadler, G.H. 43
Morgenstern, I. → Frick, M. 339
Moshchalkov, V.V. → Koltun, R. 53
Mrachkov, J., Leyarovski, E.: Heat capacity of the hexagonal praseodimium compound $PrNi_5$ in high magnetic fields 233
Mühlschlegel, B. → Ceccatto, A. 257
Müller-Hartmann, E. → Menge, B. 237
Naidyuk, Yu.G., Reiffers, M., Jansen, A.G.M., Wyder, P., Yanson, I.K.: Point-contact measurements of CeB_6 and $CeCu_6$ in high magnetic fields 221
Nargizyan, A.G., Rashkeev, S.N.: Microscopic analysis of the characteristic energy loss spectra of 3*d*- and 4*d*-transition metal carbides and nitrides 217
Niederländer, J., Lücke, M., Kamps, M.: Weakly nonlinear convection: Galerkin model, numerical simulation, and amplitude equation 135
Obermair, G.M. → Jaroslawski, R. 437
Onellion, M. → LaGraffe, D. 47
Opper, M. → Bolterauer, H. 95
Ott, H.R. → Schilling, A. 9
Pintschovius, L. → Pyka, N. 177
Pires, A.S.T. → Menezes, S.L. 375
Plakida, N.M. → Ihle, D. 193
Plakida, N.M. → Lovtsov, S.V. 1
Ploog, K. → Klaß, U. 351
Pobell, F. → Gloos, K. 227
Pook, W., Janßen, M.: Multifractality and scaling in disordered mesoscopic systems 295
Prandl, W. → Ihringer, J. 171
Purwins, H.G. → Elsenhans, O. 61
Pyka, N., Pintschovius, L., Rumiantsev, A.Yu.: High energy spin dynamics of La_2CuO_4 and $La_{1.9}Sr_{0.1}CuO_4$ 177
Rashkeev, S.N. → Nargizyan, A.G. 217
Reiffers, M. → Naidyuk, Yu.G. 221
Reller, A. → Lichtenberg, F. 211
Rodríguez-Carvajal, J. → Fernández-Díaz, M.T. 275
Rumiantsev, A.Yu. → Pyka, N. 177
Saez-Puche, R. → Fernández-Díaz, M.T. 275
Salje, E.K.H., Wruck, B., Thomas, H.: Order-parameter saturation and low-temperature extension of Landau theory 399
Sattler, K. → Kwetkus, B.A. 87
Schadler, G.H., Monnier, R.: The electronic structure of the mixed 5*f* system UC_xN_{1-x} 43
Schadschneider, A., Zittartz, J.: On the one-dimensional Hubbard model away from half-filling 387
Schilling, A., Hulliger, F., Ott, H.R.: In-plane London penetration depths near the critical temperature of $Tl_2Ba_2Ca_{n-1}Cu_nO_{2n+4}$ and $(Bi, Pb)_2Sr_2Ca_{n-1}Cu_nO_{2n+4}$ $(n=2,3)$ 9
Schimansky-Geier, L., Zülicke, Ch.: Kink propagation induced by multiplicative noise 157
Schneider, T. → Sörensen, M.P. 115
Sergeenkov, S.A.: On excess magnetoconductivity of a superconductive glass 325
Shepelyansky, D.L. → Graham, R. 347
Sigmund, E. → Chvosta, P. 143
Smeibidl, P. → Gloos, K. 227
Sörensen, M.P., Schneider, T.: Level-spacing statistics for the Anderson model in one and two dimensions 115
Splittgerber-Hünnekes, P.C. → Koltun, R. 53
Sun, G.: Interfacial tension of the three-state Potts model on a square lattice at a negative fields 431
Sun, G., Ueno, Y.: Applications of the interface approach to some frustrated Ising models on a simple cubic lattice 425
Sun, Y.S. → Li, T. 369
Thomas, H. → Salje, E.K.H. 399
Ueno, Y. → Sun, G. 425
Ufuktepe, Y. → LaGraffe, D. 47
Uhrig, G.S.: Ohm's law in the quantum Hall effect 29
Vogt, Th. → Hock, R. 283
Widmer, D. → Lichtenberg, F. 211
Wiese, G.: Parametric excitation of spherical modes in ferromagnetic spheres by perpendicular and parallel pumping 453
Williams, T. → Lichtenberg, F. 211
Winzer, K., Kumm, G.: Fluctuation-enhanced conductivity and magnetoconductivity of high-quality $YBa_2Cu_3O_{7-\delta}$ crystals 317
Winzer, K. → Behler, S. 355
Wolf, T. → Akimenko, A.I. 5
Wölfle, P. → Li, T. 369
Wroblewski, Th. → Ihringer, J. 171
Wruck, B. → Salje, E.K.H. 399
Wu, Z., Lu, K., Dong, J., Li, F., Fu, Z., Fang, Z.: EXAFS studies of the coordination structure of $(Er_xY_{1-x})_3Al_5O_{12}$ garnet solid solutions 15
Wühl, H. → Akimenko, A.I. 5
Wyder, P. → Naidyuk, Yu.G. 221
Yaldram, K., Binder, K.: Unmixing of binary alloys by a vacancy mechanism of diffusion: a computer simulation 405
Yanson, I.K. → Akimenko, A.I. 5
Yanson, I.K. → Naidyuk, Yu.G. 221
Yushankhai, V.Yu. → Lovtsov, S.V. 1
Zeile, K. → Chvosta, P. 143
Zheng, H.: Squeezed-state approach to the two-site two-electron Peierls-Hubbard system 363
Zia, R.K.P. → Bausch, R. 121
Ziegler, K.: Dynamics of flux lines: thermal fluctuations 163
Ziegler, K., Kumar, P.: Effect of anisotropy in the Abrikosov phase of copper oxide superconductors 335
Zittartz, J. → Schadschneider, A. 387
Zülicke, Ch. → Schimansky-Geier, L. 157
Życzkowski, K., Lenz, G.: Eigenvector statistics for the transitions from the orthogonal to the unitary ensemble 299

Indexed in *Current Contents*
Evaluated and abstracted for PHYS on STN